

McGIRT'S BRIDGE

HAER NO. NC-29

(U.S. Route 701 Bridge)

(Bridge No. 701-42-20N)

U.S. Route 701 spanning the Cape Fear River

Elizabethtown vic.

Bladen County

North Carolina

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PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD

NATIONAL PARK SERVICE

Department of the Interior

Southeast Region

Atlanta, Georgia 30303

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HISTORIC AMERICAN ENGINEERING RECORD

McGirt's Bridge
(U. S. Route 701 Bridge)
(Bridge No. 701-42-20N)

HAER No. NC-29

Location: U. S. Route 701 spanning Cape Fear River
Elizabethtown vicinity, Bladen County, North Carolina

UTM: 17.719725.3834675
Quad: Elizabethtown

Date of Construction: 1923

Builder/Designer: Atlantic Bridge Company of Charlotte, North Carolina,
with the truss fabricated by the Virginia Bridge and
Iron Company of Roanoke, Virginia

Present Owner: North Carolina Department of Transportation
Raleigh, North Carolina

Present Use: Vehicular bridge

Significance: McGirt's Bridge is a 350-foot Petit Truss bridge. It
is the longest truss bridge in North Carolina. The
bridge is divided into fourteen panels. The ratio of
depth to length of the truss is low, producing a very
deep truss that is still rated at 27 tons. This truss
is an early example of the technology of riveted joint
design. The high secondary forces that were generally
associated with riveted joints made trusses of this
length unpredictable a few years ago.

Project Information: This documentation was undertaken in 1982 in accordance
with the Memorandum of Agreement by the North Carolina
Department of Transportation as a mitigative measure
prior to demolition.

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Retyped and
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